

Environmental Protection Agency

Pt. 98, Subpt. A, Table A-7

[76 FR 53065, Aug. 25, 2011, as amended at 77 FR 48088, Aug. 13, 2012]

TABLE A-7 TO SUBPART A OF PART 98—DATA ELEMENTS THAT ARE INPUTS TO EMISSION EQUATIONS AND FOR WHICH THE REPORTING DEADLINE IS MARCH 31, 2015

Subpart	Rule citation (40 CFR part 98)	Specific data elements for which reporting date is March 31, 2015 ("All" means all data elements in the cited paragraph are not required to be reported until March 31, 2015)
A .....	98.3(d)(3)(v) .....	All.
C .....	98.36(b)(9)(iii) .....	Only estimate of the heat input.
C .....	98.36(c)(2)(ix) .....	Only estimate of the heat input from each type of fuel listed in Table C-2.
C .....	98.36(e)(2)(i) .....	All.
C .....	98.36(e)(2)(ii)(A) .....	All.
C .....	98.36(e)(2)(ii)(C) .....	Only HHV value for each calendar month in which HHV determination is required.
C .....	98.36(e)(2)(ii)(D) .....	All.
C .....	98.36(e)(2)(iv)(A) .....	All.
C .....	98.36(e)(2)(iv)(C) .....	All.
C .....	98.36(e)(2)(iv)(F) .....	All.
C .....	98.36(e)(2)(ix)(D) .....	All.
C .....	98.36(e)(2)(ix)(E) .....	All.
C .....	98.36(e)(2)(ix)(F) .....	All.
E .....	98.56(b) .....	All.
E .....	98.56(c) .....	All.
E .....	98.56(g) .....	All.
E .....	98.56(h) .....	All.
E .....	98.56(j)(1) .....	All.
E .....	98.56(j)(3) .....	All.
E .....	98.56(j)(4) .....	All.
E .....	98.56(j)(5) .....	All.
E .....	98.56(j)(6) .....	All.
E .....	98.56(l) .....	All.
F .....	98.66(a) .....	All.
F .....	98.66(c)(2) .....	All.
F .....	98.66(c)(3) .....	Only smelter-specific slope coefficients and overvoltage emission factors.
F .....	98.66(e)(1) .....	Only annual anode consumption (No CEMS).
F .....	98.66(f)(1) .....	Only annual paste consumption (No CEMS).
F .....	98.66(g) .....	All.
G .....	98.76(b)(2) .....	All.
G .....	98.76(b)(7) .....	All.
G .....	98.76(b)(8) .....	All.
G .....	98.76(b)(9) .....	All.
G .....	98.76(b)(10) .....	All.
G .....	98.76(b)(11) .....	All.
H .....	98.86(b)(2) .....	All.
H .....	98.86(b)(5) .....	All.
H .....	98.86(b)(6) .....	All.
H .....	98.86(b)(8) .....	All.
H .....	98.86(b)(10) .....	All.
H .....	98.86(b)(11) .....	All.
H .....	98.86(b)(12) .....	All.
H .....	98.86(b)(13) .....	All.
H .....	98.86(b)(15) .....	Only monthly kiln-specific clinker factors (if used) for each kiln.
I .....	98.96(f)(1) .....	All.
I .....	98.96(g) .....	Only annual consumption of the gas (excluding annual consumption of gases for which the reporter did not calculate emissions using Equations I-6, I-7, I-8, I-9, and I-10 of subpart L).
I .....	98.96(h) .....	All.
I .....	98.96(i) .....	All.
I .....	98.96(j) .....	All.
I .....	98.96(k) .....	All.
I .....	98.96(l) .....	All.
I .....	98.96(n) .....	All.
I .....	98.96(o) .....	All.
I .....	98.96(q)(2) .....	Only inputs and results of calculations made accounting for the uptime of abatement systems used during the reporting year.
I .....	98.96(q)(3) .....	All.
I .....	98.96(q)(5)(iv) .....	Only inputs used to calculate the class average.
I .....	98.96(r) .....	All.
I .....	98.96(s) .....	Only estimates of inputs into the heat transfer fluid mass balance equation.
K .....	98.116(b) .....	Only annual production by product from each EAF (No CEMS).
K .....	98.116(e)(4) .....	All.

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Subpart	Rule citation (40 CFR part 98)	Specific data elements for which reporting date is March 31, 2015 ("All" means all data elements in the cited paragraph are not required to be reported until March 31, 2015)
K .....	98.116(e)(5) .....	All.
L .....	98.126(b)(1) .....	Only data used in calculating the absolute errors and data used in calculating the relative errors.
L .....	98.126(b)(2) .....	All.
L .....	98.126(b)(6) .....	Only mass of each fluorine-containing reactant fed into the process.
L .....	98.126(b)(7) .....	Only mass of each fluorine-containing product produced by the process.
L .....	98.126(b)(8)(i) .....	Only mass of each fluorine-containing product that is removed from the process and fed into the destruction device.
L .....	98.126(b)(8)(ii) .....	Only mass of each fluorine-containing by-product that is removed from the process and fed into the destruction device.
L .....	98.126(b)(8)(iii) .....	Only mass of each fluorine-containing reactant that is removed from the process and fed into the destruction device.
L .....	98.126(b)(8)(iv) .....	Only mass of each fluorine-containing by-product that is removed from the process and recaptured.
L .....	98.126(b)(8)(v) .....	All.
L .....	98.126(b)(9)(i) .....	All.
L .....	98.126(b)(9)(ii) .....	All.
L .....	98.126(b)(9)(iii) .....	All.
L .....	98.126(b)(10) .....	All.
L .....	98.126(b)(11) .....	All.
L .....	98.126(b)(12) .....	All.
L .....	98.126(c)(1) .....	Only quantity of the process activity used to estimate emissions.
L .....	98.126(c)(2) .....	All.
L .....	98.126(d) .....	Only estimate of missing data.
L .....	98.126(f)(1) .....	All.
L .....	98.126(g)(1) .....	All.
L .....	98.126(h)(2) .....	All.
N .....	98.146(b)(2) .....	Only annual quantity of carbonate based-raw material charged to each continuous glass melting furnace.
N .....	98.146(b)(4) .....	All.
N .....	98.146(b)(6) .....	All.
O .....	98.156(a)(2) .....	All.
O .....	98.156(a)(7) .....	All.
O .....	98.156(a)(8) .....	All.
O .....	98.156(a)(9) .....	All.
O .....	98.156(a)(10) .....	All.
O .....	98.156(b)(1) .....	All.
O .....	98.156(b)(2) .....	All.
O .....	98.156(d)(1) .....	All.
O .....	98.156(d)(2) .....	All.
O .....	98.156(d)(3) .....	All.
O .....	98.156(d)(4) .....	All.
O .....	98.156(d)(5) .....	All.
O .....	98.156(e)(1) .....	All.
P .....	98.166(b)(2) .....	All.
P .....	98.166(b)(5) .....	All.
P .....	98.166(b)(6) .....	All.
Q .....	98.176(b) .....	Only annual quantity taconite pellets, coke, iron, and raw steel (No CEMS).
Q .....	98.176(e)(1) .....	All.
Q .....	98.176(e)(3) .....	All.
Q .....	98.176(e)(4) .....	All.
Q .....	98.176(f)(1) .....	All.
Q .....	98.176(f)(2) .....	All.
Q .....	98.176(f)(3) .....	All.
Q .....	98.176(f)(4) .....	All.
Q .....	98.176(g) .....	All.
R .....	98.186(b)(6) .....	All.
R .....	98.186(b)(7) .....	All.
S .....	98.196(b)(2) .....	All.
S .....	98.196(b)(3) .....	All.
S .....	98.196(b)(5) .....	All.
S .....	98.196(b)(6) .....	All.
S .....	98.196(b)(8) .....	All.
S .....	98.196(b)(10) .....	All.
S .....	98.196(b)(11) .....	All.
S .....	98.196(b)(12) .....	All.
U .....	98.216(b) .....	All.
U .....	98.216(e)(1) .....	All.
U .....	98.216(e)(2) .....	All.
U .....	98.216(f)(1) .....	All.

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U	98.216(f)(2)	All.
V	98.226(c)	All.
V	98.226(d)	All.
V	98.226(i)	All.
V	98.226(j)	All.
V	98.226(m)(1)	All.
V	98.226(m)(3)	All.
V	98.226(m)(4)	All.
V	98.226(m)(5)	All.
V	98.226(m)(6)	All.
V	98.226(p)	All.
W	98.236(c)(1)(i)	All.
W	98.236(c)(1)(ii)	All.
W	98.236(c)(1)(iii)	All.
W	98.236(c)(2)(i)	All.
W	98.236(c)(3)(i)	All.
W	98.236(c)(3)(ii)	Only Calculation Methodology 2.
W	98.236(c)(3)(iii)	All.
W	98.236(c)(3)(iv)	All.
W	98.236(c)(4)(i)(A)	All.
W	98.236(c)(4)(i)(B)	All.
W	98.236(c)(4)(i)(C)	All.
W	98.236(c)(4)(i)(D)	All.
W	98.236(c)(4)(i)(E)	All.
W	98.236(c)(4)(i)(F)	All.
W	98.236(c)(4)(i)(G)	All.
W	98.236(c)(4)(i)(H)	All.
W	98.236(c)(4)(ii)(A)	All.
W	98.236(c)(5)(i)(D)	All.
W	98.236(c)(5)(i)(C)	All.
W	98.236(c)(6)(i)(B)	All.
W	98.236(c)(6)(i)(D)	All.
W	98.236(c)(6)(i)(E)	All.
W	98.236(c)(6)(i)(F)	All.
W	98.236(c)(6)(i)(G)	Only the amount of natural gas required.
W	98.236(c)(6)(i)(H)	Only the amount of natural gas required.
W	98.236(c)(6)(ii)(A)	All.
W	98.236(c)(6)(ii)(B)	All.
W	98.236(c)(7)(i)(A)	Only for Equation W-14A.
W	98.236(c)(8)(i)(F)	All.
W	98.236(c)(8)(i)(K)	All.
W	98.236(c)(8)(ii)(A)	All.
W	98.236(c)(8)(ii)(H)	All.
W	98.236(c)(8)(iii)(A)	All.
W	98.236(c)(8)(iii)(B)	All.
W	98.236(c)(8)(iii)(G)	All.
W	98.236(c)(12)(ii)	All.
W	98.236(c)(12)(v)	All.
W	98.236(c)(13)(i)(E)	All.
W	98.236(c)(13)(i)(F)	All.
W	98.236(c)(13)(ii)(A)	All.
W	98.236(c)(13)(ii)(B)	All.
W	98.236(c)(13)(iii)(A)	All.
W	98.236(c)(13)(iii)(B)	All.
W	98.236(c)(13)(v)(A)	All.
W	98.236(c)(14)(i)(B)	All.
W	98.236(c)(14)(ii)(A)	All.
W	98.236(c)(14)(ii)(B)	All.
W	98.236(c)(14)(iii)(A)	All.
W	98.236(c)(14)(iii)(B)	All.
W	98.236(c)(14)(v)(A)	All.
W	98.236(c)(15)(ii)(A)	All.
W	98.236(c)(15)(ii)(B)	All.
W	98.236(c)(16)(viii)	All.
W	98.236(c)(16)(ix)	All.
W	98.236(c)(16)(x)	All.
W	98.236(c)(16)(xi)	All.
W	98.236(c)(16)(xii)	All.
W	98.236(c)(16)(xiii)	All.
W	98.236(c)(16)(xiv)	All.
W	98.236(c)(16)(xv)	All.
W	98.236(c)(16)(xvi)	All.

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W .....	98.236(c)(17)(ii) .....	All.
W .....	98.236(c)(17)(iii) .....	All.
W .....	98.236(c)(17)(iv) .....	All.
W .....	98.236(c)(18)(i) .....	All.
W .....	98.236(c)(18)(ii) .....	All.
W .....	98.236(c)(19)(iv) .....	All.
W .....	98.236(c)(19)(vii) .....	All.
X .....	98.246(a)(4) .....	Only monthly volume values, monthly mass values, monthly carbon content values, molecular weights for gaseous feedstocks, molecular weights for gaseous products, and indication of whether the alternative method in § 98.243(c)(4) was used.
X .....	98.246(b)(5)(iii) .....	All.
X .....	98.246(b)(5)(iv) .....	All.
Y .....	98.256(e)(6) .....	Only molar volume conversion factor for each flare.
Y .....	98.256(e)(7) .....	Only molar volume conversion factor for each flare.
Y .....	98.256(e)(7)(ii) .....	All.
Y .....	98.256(e)(9) .....	Only annual volume of flare gas combusted, annual average higher heating value of the flare gas, volume of gas flared, average molecular weight, carbon content of the flare, and molar volume conversion factor if using Eq. Y-3.
Y .....	98.256(e)(10) .....	Only fraction of carbon in the flare gas contributed by methane.
Y .....	98.256(f)(7) .....	Only molar volume conversion factor.
Y .....	98.256(f)(10) .....	Only coke burn-off factor, annual throughput of unit, and average carbon content of coke.
Y .....	98.256(f)(11) .....	Only units of measure for the unit-specific CH <sub>4</sub> emission factor, activity data for calculating emissions, and unit-specific emission factor for CH <sub>4</sub> .
Y .....	98.256(f)(12) .....	Only unit-specific emission factor for N <sub>2</sub> O, units of measure for the unit-specific N <sub>2</sub> O emission factor, and activity data for calculating emissions.
Y .....	98.256(f)(13) .....	Only average carbon content of coke.
Y .....	98.256(h)(4) .....	All.
Y .....	98.256(h)(5) .....	Only value of the correction, annual volume of recycled tail gas (if used to calculate recycling correction factor), and annual average mole fraction of carbon in the tail gas (if used to calculate recycling correction factor).
Y .....	98.256(i)(5) .....	Only annual mass of green coke fed, carbon content of green coke fed, annual mass of marketable coke produced, carbon content of marketable coke produced, and annual mass of coke dust removed from the process.
Y .....	98.256(i)(7) .....	Only the unit-specific CH <sub>4</sub> emission factor, units of measure for unit-specific CH <sub>4</sub> emission factor, and activity data for calculating emissions.
Y .....	98.256(i)(8) .....	Only units of measure for the unit-specific factor, activity data used for calculating emissions, and site-specific emissions factor.
Y .....	98.256(j)(2) .....	All.
Y .....	98.256(j)(5) .....	Only CO <sub>2</sub> emission factor.
Y .....	98.256(j)(6) .....	Only CH <sub>4</sub> emission factor.
Y .....	98.256(j)(7) .....	Only carbon emission factor.
Y .....	98.256(j)(8) .....	Only CO <sub>2</sub> emission factor and carbon emission factor.
Y .....	98.256(j)(9) .....	Only CH <sub>4</sub> emission factor.
Y .....	98.256(k)(3) .....	Only dimensions of coke drum or vessel, typical gauge pressure of the coking drum, typical void fraction of coke drum or vessel, annual number of coke-cutting cycles of coke drum or vessel, and molar volume conversion factor for each coke drum or vessel.
Y .....	98.256(k)(4) .....	Only height and diameter of the coke drums, cumulative number of vessel openings for all delayed coking drums, typical venting pressure, void fraction, mole fraction of methane in coking gas.
Y .....	98.256(l)(5) .....	Only molar volume conversion factor.
Y .....	98.256(m)(3) .....	Only total quantity of crude oil plus the quantity of intermediate products received from off-site, CH <sub>4</sub> emission factor used, and molar volume conversion factor.
Y .....	98.256(n)(3) .....	All (if used in Equation Y-21 to calculate emissions from equipment leaks).
Y .....	98.256(o)(2)(ii) .....	All.
Y .....	98.256(o)(4)(ii) .....	All.
Y .....	98.256(o)(4)(iii) .....	All.
Y .....	98.256(o)(4)(iv) .....	All.
Y .....	98.256(o)(4)(v) .....	All.
Y .....	98.256(o)(4)(vi) .....	Only tank-specific methane composition data and gas generation rate data.

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Y .....	98.256(o)(6) .....	Only quantity of unstabilized crude oil received during the calendar year; average pressure differential; and mole fraction of CH <sub>4</sub> in vent gas from the unstabilized crude oil storage tank.
Y .....	98.256(o)(7) .....	All.
Y .....	98.256(p)(2) .....	Only quantity of materials loaded that have an equilibrium vapor-phase concentration of CH <sub>4</sub> of 0.5 volume percent or greater.
Z .....	98.266(f)(5) .....	All.
Z .....	98.266(f)(6) .....	All.
AA .....	98.276(b) .....	All.
AA .....	98.276(c) .....	Only annual mass of the spent liquor solids combusted.
AA .....	98.276(d) .....	All.
AA .....	98.276(e) .....	All.
AA .....	98.276(f) .....	All.
AA .....	98.276(g) .....	All.
AA .....	98.276(h) .....	All.
AA .....	98.276(i) .....	All.
BB .....	98.286(b)(1) .....	All.
BB .....	98.286(b)(4) .....	All.
BB .....	98.286(b)(6) .....	All.
CC .....	98.296(b)(5) .....	Only monthly consumption of trona or liquid alkaline feedstock (for facilities using Equation CC-1).
CC .....	98.296(b)(6) .....	Only monthly production of soda ash for each manufacturing line (for facilities using Equation CC-2).
CC .....	98.296(b)(7) .....	All.
CC .....	98.296(b)(10)(i) .....	All.
CC .....	98.296(b)(10)(ii) .....	All.
CC .....	98.296(b)(10)(iii) .....	All.
CC .....	98.296(b)(10)(iv) .....	All.
CC .....	98.296(b)(10)(v) .....	All.
CC .....	98.296(b)(10)(vi) .....	All.
EE .....	98.316(b)(6) .....	All.
EE .....	98.316(b)(9) .....	All.
GG .....	98.336(b)(6) .....	All.
GG .....	98.336(b)(7) .....	All.
GG .....	98.336(b)(10) .....	All.
II .....	98.356(d)(2) .....	All (if conducting weekly sampling).
II .....	98.356(d)(3) .....	All (if conducting weekly sampling).
II .....	98.356(d)(4) .....	Only weekly average temperature (if conducting weekly sampling).
II .....	98.356(d)(5) .....	Only weekly average moisture content (if conducting weekly sampling).
II .....	98.356(d)(6) .....	Only weekly average pressure (if conducting weekly sampling).
TT .....	98.466(c)(3)(i) .....	All.
TT .....	98.466(c)(3)(ii) .....	Only waste disposal quantity and production quantity.
TT .....	98.466(c)(3)(iii) .....	All.

[76 FR 53065, Aug. 25, 2011, as amended at 77 FR 48088, Aug. 13, 2012; 77 FR 51489, Aug. 24, 2012]

## Subpart B [Reserved]

## Subpart C—General Stationary Fuel Combustion Sources

### § 98.30 Definition of the source category.

(a) Stationary fuel combustion sources are devices that combust solid, liquid, or gaseous fuel, generally for the purposes of producing electricity, generating steam, or providing useful heat or energy for industrial, commercial, or institutional use, or reducing the volume of waste by removing combustible matter. Stationary fuel combustion sources include, but are not

limited to, boilers, simple and combined-cycle combustion turbines, engines, incinerators, and process heaters.

(b) This source category does not include:

(1) Portable equipment, as defined in § 98.6.

(2) Emergency generators and emergency equipment, as defined in § 98.6.

(3) Irrigation pumps at agricultural operations.

(4) Flares, unless otherwise required by provisions of another subpart of this part to use methodologies in this subpart.

(5) Electricity generating units that are subject to subpart D of this part.